

0360
10/17

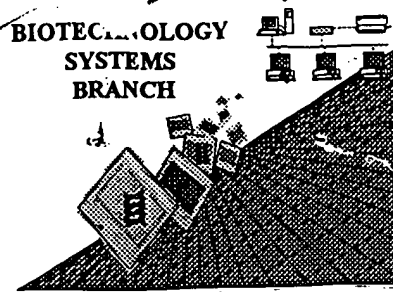
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2162

BIOTECHNOLOGY
SYSTEMS
BRANCH

RAW SEQUENCE LISTING ERROR REPORT



The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/954,531
Source: OIPE
Date Processed by STIC: 11/6/01

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER
VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND
TRADEMARK OFFICE WEBSITE. SEE BELOW:

Checker Version 3.0

The Checker Version 3.0 application is a state-of-the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 – 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO). Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address:
<http://www.uspto.gov/web/offices/pac/checker>

Raw Sequence Listing Error Summary

Technology Center 2100

ERROR DETECTED**SUGGESTED CORRECTION**SERIAL NUMBER: 091954,431

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1 Wrapped Nucleics
 Wrapped Aminos The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
- 2 Invalid Line Length The rules require that a line not exceed 72 characters in length. This includes white spaces.
- 3 Misaligned Amino
 Numbering The numbering under each 5th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.
- 4 Non-ASCII The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
- 5 Variable Length Sequence(s) contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
- 6 PatentIn 2.0
 "bug" A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
- 7 Skipped Sequences
 (OLD RULES) Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence:
 (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
 (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
 (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
 This sequence is intentionally skipped

 Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.
- 8 Skipped Sequences
 (NEW RULES) Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence.
 <210> sequence id number
 <400> sequence id number
 000
- 9 ✓ Use of n's or Xaa's
 (NEW RULES) Use of n's and/or Xaa's have been detected in the Sequence Listing.
 Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.
 In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
- 10 Invalid <213>
 Response Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence
- 11 Use of <220> Sequence(s) missing the <220> "Feature" and associated numeric identifiers and responses.
 Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.
 (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
- 12 PatentIn 2.0
 "bug" Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.

OIPE

RAW SEQUENCE LISTING

531

DATE: 11/06/2001

PATENT APPLICATION: US/09/954, ~~431~~

TIME: 09:48:54

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Output Set: N:\CRF3\11062001\I954431.raw

**Does Not Comply
Corrected Diskette Needed**

3 <110> APPLICANT: Weaver, Zoe
 5 <120> TITLE OF INVENTION: Process for Identifying Anti-Cancer Therapeutic Agents Using
 Cancer Gene

6 Sets
 8 <130> FILE REFERENCE: 689290-77
 C--> 10 <140> CURRENT APPLICATION NUMBER: US/09/954,431
 C--> 10 <141> CURRENT FILING DATE: 2001-09-18
 10 <150> PRIOR APPLICATION NUMBER: US/60/233,133
 11 <151> PRIOR FILING DATE: 2000-09-18
 13 <150> PRIOR APPLICATION NUMBER: US/60/234,009
 14 <151> PRIOR FILING DATE: 2000-09-20
 16 <150> PRIOR APPLICATION NUMBER: US/60/234,034
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 19 <150> PRIOR APPLICATION NUMBER: US/60/234,509
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 23 <151> PRIOR FILING DATE: 2000-09-22
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39 ctttgcctgg atgcagatgt acagccgtca gctggcctcc accgagtggc tcaccatcca      180
41 gggcggcctg cttggttcgg gtctcttcgt gttctcgctc actgccttca ataacttgga      240
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60 tgatcaattc ttaatttttg taagcctata atacagtttc tattctttga gataaaaatt      240
62 aaatgatcac tgatatttta gtcattcttg cttctcatct aaatatttcc atattctgta      300
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*Errors on pp. 3-5
and*

The type of errors shown exist throughout
the Sequence Listing. Please check subsequent
sequences for similar errors.

RAW SEQUENCE LISTING

DATE: 11/06/2001

PATENT APPLICATION: US/09/954,431

TIME: 09:48:54

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Output Set: N:\CRF3\11062001\I954431.raw

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111 tcattggtac ctaggaattt aagaatatcg aagcgagaca cgtaacaaac catagatgag 180
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136 ctggcccagc ccagagctgg gacctggagc acgatctgtt gacttccctg ggtaggacac 180
138 tgccacctct gggctcaggt cctcatgcct ccaaattggc tctagagttt gaggcgcctt 240
140 cttggctgag gcaggcctag cctgtggagc gggctagggc caggagcatt tggtgccctt 300
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157 cacagtctgt ctgtcttcca gttcatctca gtctogaga aaggcccttt aaatatgtca 180
159 ctttccatt ttcttttaac catgggttgt gtgagccaga aagagctttg agaaagatgg 240
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RAW SEQUENCE LISTING

DATE: 11/06/2001

PATENT APPLICATION: US/09/954,431

TIME: 09:48:54

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Output Set: N:\CRF3\11062001\I954431.raw

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 183 gagaagaaag agaaatgatg cagctggtgc ccgagcctct cagggccaga ccagacagat 120
 W--> 185 gggggctggg cccacacagg cgtgcaccgg gtagagngca caggtaggcc aaggggnagc 180
 W--> 187 tcccaggaca gggcaagggg gcagcangga tacctgcnag ccaggggctc tntggcctnt 240
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 W--> 209 tagtacactg catgggtattt aatattccag gaagcatggg atttnatttt gcttgatttg 180
 211 ggcacatgaa ataatagctc taggaaaatg cgcattctaa tgactctttg taaagagagg 240
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 W--> 231 atggataaat gaatatcact acttgttctg aaaacaggtt tgttgctttt natctcgtg 180
 233 cctagattga aatattttgc tatttcttct gcataagtga cagtgaacca attcatcatg 240
 235 agtaagctcc cttctgtcat tttoattgat ttaatttggt tatcatcaat aaaattgtat 300
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RAW SEQUENCE LISTING

DATE: 11/06/2001

PATENT APPLICATION: US/09/954,431

TIME: 09:48:54

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Output Set: N:\CRF3\11062001\I954431.raw

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 257 atgtatagta cactctataa atgtaaatgt aatgcttgct taaaaagtgc aattttattgt 180
 259 acattgtccc aacaaatggt tacttttata atcgttatga acttgaattg gatttagtctc 240
 261 ttgttttttat gtgtgaatga agccttggtga aataacaaat gcaactgaga aggtacaagg 300
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 276 cctgggggtgc cttgggtcag gacatcaact tggacattcc tagttttcaa atgagtgatg 180
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RAW SEQUENCE LISTING

DATE: 11/06/2001

PATENT APPLICATION: US/09/954,431

TIME: 09:48:54

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Output Set: N:\CRF3\11062001\I954431.raw

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415 tatatcagcc ttcggctcat catatcagag ctgaggaatc aatatgtcac tctacatgac     900
417 atgatcctga aaaatatcga gaagatcaaa cggccccgga gcagcaatgc agagactctg     960
419 tactgaggcc agggccaggg ccaggggact ctgtgagttt ggctcaagac cgacattgcc     1020
421 ttggtttgtt acatgactat cgtgatgggg aaactggctg gaaatagtaa tcacacctct     1080
423 ctgttttttag ttagagtcta atgaaactct catctagttc tgtgatgtgt ttacctcttt     1140
425 tttcaggcct caggaaactct tctatttctt tccctaatac cccacacca acctgtcgta     1200

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VERIFICATION SUMMARY

DATE: 11/06/2001

PATENT APPLICATION: US/09/954,431

TIME: 09:48:55

Input Set : N:\jumbos\huge\09954531.txt

Output Set: N:\CRF3\11062001\I954431.raw

L:10 M:270 C: Current Application Number differs, Replaced Current Application No
L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:185 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:8
L:185 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:187 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:8
L:187 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:189 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:8
L:189 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:191 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:8
L:191 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:205 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:9
L:205 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:207 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:9
L:207 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:209 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:9
L:209 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:231 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:10
L:231 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
L:255 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:11
L:255 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11
L:350 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:13
L:350 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:352 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:13
L:352 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:461 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:15
L:461 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15
L:477 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:15
L:477 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15
L:744 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:21
L:744 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21
L:746 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:21
L:746 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21
L:748 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:21
L:748 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21
L:750 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:21
L:750 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21
L:754 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:21
L:754 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21
L:756 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:21
L:756 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21
L:791 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:23
L:791 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23
L:856 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:25
L:856 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25
L:858 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:25
L:858 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25
L:914 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:28
L:914 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28

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L:975 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:30
L:975 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30
L:977 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:30
L:977 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30
L:1070 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:34
L:1070 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34
L:1072 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:34
L:1072 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34
L:1074 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:34
L:1074 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34
L:1092 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:35
L:1092 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35
L:1094 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:35
L:1094 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35
L:1096 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:35
L:1096 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35
L:1448 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:52
L:1448 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:52
L:1481 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:54
L:1481 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:54
L:2092 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:84
L:2092 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:84
L:2106 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:85
L:2106 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:85
L:2114 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:85
L:2114 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:85
L:2116 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:85
L:2116 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:85
L:2118 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:85
L:2118 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:85
L:2157 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:87
L:2157 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:87
L:2163 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:87
L:2163 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:87
L:2165 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:87
L:2165 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:87
L:2293 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:94
L:2293 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:94
L:2295 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:94
L:2295 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:94
L:2301 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:94
L:2301 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:94
L:2305 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:94
L:2305 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:94
L:2331 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:95
L:2331 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:95
L:2677 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:112
L:2677 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:112
L:2701 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:113

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L:2701 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:113
L:2703 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:113
L:2703 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:113
L:2705 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:113
L:2705 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:113